

Brief Review of Applications of Isotopes in Process  
and Quality Control, by M. Kato.

JAPANESE, paper P/1054, Proceedings of International  
Conference on Peaceful Uses of Atomic Energy Held  
at Geneva ~~EE~~ 8-20 Aug 1955, Vol XV.

Internatl Conf -- UN

Sci - Nuclear Physics

CIA 1-669.9.162

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The Corrosion of Aluminum Alloys in Contact With Other  
Metals and Methods of Preventing It, Part 1, by Masao  
Kato, Yasuji Nakamura, 9 pp.

<sup>per</sup>  
JAPANESE, light metals, No 2, Feb 1952, pp 22-27.

S.L.A. Tr 1004/1956

Sci - Minerals/Metals

39,222

Field Studies on the Determination of Leaf  
Flux into Using Radioactive Tracer, by M. H. H. H.  
Munetaro Hatakeye, et al., 9 pp.

JAPANESE, per, Proceedings of the Fourth Japan  
Conference on Radioisotopes, Tokyo, October 10-12,  
1961, 1962, pp 249-254. 9207242

AEC 52-546 5636

Sci - Phys

2.52, 2.24

May 63

Kato, Nagaharu, Hayashi, Kiyoshige and others.  
A PROCESS OF MANUFACTURING P-XYLENE OF  
HIGH PURITY. July 63, 12p. (Ifig. omitted).  
Order from SA \$19.00 SA Code-P-145

Trans. of published Japanese patent 7221/1962,  
cl. 16-C-1 (13-A-32) (16-C-15) (13-B-15) appl. no.  
13661/1959 filed 30 Apr 59, pub. 5 July 62, by Maruman  
Sekiya Co.

DESCRIPTORS: \*Xylenes, Manufacturing methods,  
Molecular isomerism, Purification, Fractionation,  
\*Crystallization, \*Tanks (Containers), Refrigeration  
systems, Design

(Engineering--Chemical, TT, v. 10, no. 7)

63-17929

- I. Kato, N.
- II. Hayashi, K.
- III. Patent (Japan)  
pub. 37-7 221
- IV. SA Code-P-145
- V. Seishuro Aoki (Japan)

1247207

Office of Technical Services

Kato, Sadatake.

ON THE CATALYTIC ACTION OF AMINES IN THE PREPARATION OF POLYETHYLENEGLYCOLS.

I. CATALYTIC ACTION OF AMINES IN THE GLYCOL-ETHYLENE OXIDE AND DIETHYLENEGLYCOL-ETHYLENE OXIDE SYSTEMS. Rept. 5 of Study on Polyethyleneglycols [ and the Derivatives]. [1962] [13]p. (foreign text included) 5 refs.

Order from SLA \$1.60

62-18193

Trans. of Yakugaku Zasshi (Japan) 1951, v. 71, no. 1, p. 20-23.

DESCRIPTORS: \*Catalysts, \*Amines, Polymers, \*Ethylenes, \*Glycols, \*Oxides, Manufacturing methods, \*Industrial production.

(See also 62-18192)

(Chemistry--Organic, ET, v. 9, no. 4)

62-18193

- I. Kato, S.
- II. Title: Catalytic ...
- III. Title: Study ...

0227720

Office of Technical Services

~~Kato, Sadatake.~~

ON THE CATALYTIC ACTION OF AMINES IN THE PREPARATION OF POLYETHYLENEGLYCOLS.

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(rept. 6 of Study on Polyethyleneglycols [and the Derivatives]. [1962] [10]p. (foreign text included) 6 refs.

Order from SLA \$1.10

62-18194

Trans. of Yakugaku Zasshi (Japan) 1951, v. 71, no. 1, p. 24-27.

DESCRIPTORS: \*Catalysts, \*Amines, Polymers, \*Ethylenes, \*Glycols, \*Oxides, Manufacturing methods, \*Industrial production.

(See also 62-18193)

(Chemistry--Organic, TT, v. 9, no. 4)

62-18194

- I. Kato, S.
- II. Title: Catalytic ...
- III. Title: Study ...

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Some Improvements on the Acceleration  
of the Removal of Phosphorus From  
Basic Oxygen Heats, by T. Kato, et al.  
JAPANESE, per, Tetsu to Hagane, Vol 48,  
No 3, 1963, pp 399-400  
RI 5530

*T. Kato*

RI-Japan  
JCI/RCR  
Jun 65

284, JCI

Di-Axially Magnetic Steel Sheet, by T. Kato,  
M. Fujikura.  
JAPANESE, par, Doki Seiso, Vol 33, Mar 1960,  
pp 141-154.  
BISI 482

T. Kato

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Sci - Mechanical, Industrial,  
Civil, and Marine Engineering  
Jan 67



Study of the Dephosphorization in the  
Basic Oxygen LD Furnace, by T.  
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JAPANESE, Tetsu to Hagane  
Vol XLVIII, No 4, 1962, pp 464-467.

HB 5675

Sci - Engt  
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Hepatic Tumor Induced in Rats by 2-Acetylamino-  
fluorene, Sex Difference, and Tumors of Other  
Organs. Histologic Comparison and Nuclear  
R Volume, by T. Hachisuga, H. Shindo, H.  
Ito, T. Kato, 7 pp.

JAPANESE, per, Cann, Vol XLVIII, No 4, Dec  
1957, pp 581-582.

HW 0-2

Sci - Med

73,497

60p 58

[No English Title Given], by E. Katz.

GERMAN, <sup>1924</sup> Pflüger's Archiv [for the  
Gesamte Physiologie des Menschen und  
der Tiere], 1916, v. 150, pp. 56-62.

\*NIN

Sci

Apr 68

**Kano, Tetsu.**  
**PHENOL RESIN MANUFACTURING METHOD.**

[1963] 7p.

Order from OTS or SLA \$1.10

63-16321

Trans. of Japanese patent publication SHO 37-16, 196,  
 pub. 10 Oct 62, (application SHO 36-8, 170, 13 Mar 61)  
 by Tokyo Shibaura Electric Co.

**DESCRIPTORS:** Phenolic plastics, Phenol-formalde-  
 hyde resins, Thermosetting plastics, Catalysts,  
 Anilines.

The invention concerns a synthetic phenol resin  
 manufacturing method wherein halfway in a reaction  
 taking place, with an alkaline catalyst employed,  
 between 1 mol of phenol and from 1.0 to 1.4 mol of  
 formaldehyde, 0.4 to 1.4 mol of formaldehyde is again  
 added and the catalyst is replaced by an acid catalyst.  
 while from 0.4 to 1.0 mol of aniline is continuously  
 projected therein for further reaction. (Author)

63-16321

I. Kano, T.  
 H. Patent (Japan) pub. 37-16 196

1247805

Chemicals--Plastics, TT.  
 v. 10, no. 6  
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Restoring and Improving the Ruprecht Precision  
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Inspection Institute, Vol V, No 3, 1956.

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Sci - Phys

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Effects of Water-Soluble Rust Preventives on  
Mild Steel in Aqueous Solutions, by S. Sato,  
Y. Kato, A. Kawai.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LXIV,  
1961, pp 1013-1017.

BISI 2480

Sci - Chem

Jul 62

List 139

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the Rate of Absorption of Carbon Dioxide by  
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JAPANESE, per, J. Soc Chem Ind Japan, Vol. XXXIX,  
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SLA Tr 57-2668

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Corrosion of Metals by Aqueous Solutions of  
Non-Ionic Surface Active Agents, by Yoichi  
Kato, Shigemi Sato, 5 pp.

Kogyo Kagaku Zasshi,  
JAPANESE, per./Vol LIX, 1956, pp 503-505.

CIA/FDD X-2751

*Interf. 1*

ATS-JT-21

Sci - Chem

Apr 58

*61,941*



Kinetics of Destructive Hydrogenation of Romashki  
Petroleum Asphalt Under 30 Atmospheres Excess  
Hydrogen Pressure, by Ya. R. Katobashvili, S. A.  
Golosov, 6 pp.

RUSSIAN, per, Zhur Prii Khim, Vol XXXIII, No 6,  
1960, pp 1369-1373.

CB

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Jun 61

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TT-62-28151

Katoh, M.  
RELATION ENTRE LA VARIATION DU POTENTIEL  
D'UN METAL ET LA QUANTITE CORRODEE DANS  
UNE SOLUTION D'UN SEL NEUTRE (Relation between  
the Potential Variation of Metal and its Corrosion  
Weight Loss in Neutral Salt Solution). 16p. (Foreign  
text included) 8refs. CNRS-IX 37.  
Order from OTS, ETC or CNRS \$0,80 TT-62-28151

Trans. in French of Denki Kagaku (Japan), 1955, v.23,  
no.11, p.570-574.

DESCRIPTORS: \*Metals, Electric potential, Salts,  
Solutions, \*Corrosion, Iron, Electrolytic polishing.

- I. Katoh, M.
- II. CNRS-IX 37
- III. Centre National de la Recherche Scientifique, Paris

(Metallurgy--Corrosion, TT, v. 11, no. 6)

Office of Technical Services  
European Translations Centre

Cobalt Amalgam and X-ray Experiments, by N. Katoh,  
1 p.

JAPANESE, per, J. Chem. Soc. Japan, Vol LXIV, 1943,  
p 1211.

S.L.A. Tr 1870

Sci - Minerals/Metals  
May 57

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(SF-1843)

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JPRS 4666

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NEWLY DISCOVERED METHODS FOR THE PRODUCTION OF METHYL TERT-BUTYL KETONE, by B. A. Bolotay, B. N. Delgov.  
K. P. Katokova, L. S. Ivanov. 8 pp.

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pp 903-910.

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Jun 59

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Continuous Casting of Steel, Studied With  
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Henry Brutscher  
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\$13.80

Sci - Min/Metals  
Aug 57

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Some Aspects of the History of X-Ray Fluorescence  
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Ext - Phys  
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(NY-5770)

Achievements of Hungarian Research on  
Telecommunication Engineering Components, by J.  
Katona, 32 pp.

HUNGARIAN, per, A Magyar Tudományos Akadémia  
Műszaki Tudományok Osztályának Közleményei,  
Vol XXVI, No 1-4, 1960, pp 235-253.

JPRS 9296

Sci - Electron

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Development of Telecommunication Parts, by Janos  
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HUNGARIAN, np, Munkaki Elet, Vol XVI, No 1,  
5 Jan 1961, p 87.

\*JPRS

EE - Hungary  
Econ - manufacturing  
22 Mar 61

(DC 4673)

Decrease on Modification of Radio Regulations, by  
Artal Katona, 8 pp.

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6 Aug 1960, pp 453-459.

JPRS 6459

ESur - Hungary  
Econ  
Jan 61

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NEW CORRECTIVE PROCEDURE FOR DETER-  
MINING MEAN FIBRE LENGTH. [1961] 8p. (11 figs.  
1 table omitted).  
Order from SLA \$1.10

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Trans. of Papir es Nyomda[technika] (Hungary) 1955,  
v. 7, no. 2/3, p. 63-67.

DESCRIPTORS: \*Fibers, Determination, \*Cellulose,  
Manufacturing methods, Mechanical properties, \*Paper:  
industry.

A close correlation is established between the size of  
chips, the fibres produced therefrom, and the average  
fibre-length. This correlation is expressed in an  
easily managed mathematical formula. By means of  
this, not only the detrimental degree of chipping, but  
the original fibre-length of the plant can be calculated  
for the purpose of fibre measurements.

61-10024

I. Katona, K.

(Materials--Paper, TT, v. 6,  
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Office of Technical Services

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Legal Regulation of Foreign Trade Enterprises  
Established, by Peter Katona, 14 pp.  
HUNGARIAN, per. ~~ANKERSKIDALAN~~, no 8, Aug  
1967, pp 228-233.  
JPRS 42734

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*Peter Katona*

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(NY-7123)

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TUBERN SKELETON, BY V. A. MATTHEW, 5 PP.

ANATOMY, PER, VEST 1948 (MEMO 1, 1. GORDON,  
VOL LUCIVILL, NO 3, 1948, PP 73-74, 75-80.

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SCI - MED

JUL 62

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COMPARATIVE NUTRITIOUS VALUE BASED ON THE  
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Trans. of [Nihon Nogei-Kagakkai Shi] (Japan) 1932,  
v. 8, p. 515-518.

DESCRIPTORS: \*Nutrition, \*Phosphoric acids, Growth,  
Rats.

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Development of Telecommunication Parts, by Janos  
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Strepikheyev, 5 pp.

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Sci -  
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Effect of Average Molecular Weight of the Polymer on  
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METHODS OF SETTING UP CONTINUOUS PRODUCTION OF CAPRON (NYLON-6) STAPLE FIBER.

[1960] 9p.

Order from ATS \$14.60

ATS-12M46R

Trans. of Khim[icheskiy] Volokna (USSR) 1959,  
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61-12373

- I. Nylon--Production
- I. Katorzhnov, N. D.
- II. Prokof'yeva, A. S.
- III. ATS-12M46R
- IV. Associated Technical  
Services, Inc., East  
Orange, N. J.

Office of Technical Services

(Materials--Textiles, TT, v. 5, no. 5)

(FDD 28372)

On the Problem of Otogenous Psychoses, by S. F.  
Shlayen, K. V. Katranova, 7 pp.

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XVII, No 5, Moscow, Sep/Oct 1955, pp 44-47.

CIA/FDD U-8 8726

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Sci - Medicine

Aug 56 CTS/DEX

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Photoelectron Emission from Gold and Chromium,  
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1961, pp 1629-1637.

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A New Method for Determining the Number of Amino  
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Silayev, 4 pp.

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Mar 62

Potassium 4-Chloro-3, 5-dinitrobenzenesulfonate, a New  
Reagent for the Determination of the Number of Amino  
Groups in Antibiotics by the Method of Partial  
Substitution, by G. S. Katrakhia and A. B. Silayev,  
p 7

RUSSIAN, per, Biokhiz, Vol XXVII, No 3, 1962,  
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Intramolecular Conversions of N-Acyl Derivatives  
of  $\gamma$ ,  $\gamma$ -Diaminobutyric Acid, by A. B. Silayev,  
G. S. Katrukha, 3 pp

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Determination of the Amino Group Content of  
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The Determination of the Number of Free Hydroxyl Groups in some Biological Objects by the Method of Partial Substitution, by G. S. ~~Katruicha~~ and A. B. Silayev pp. 6

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Determination of the Number of Free Carboxyl Groups in Amino Acids and Peptides by the Partial Substitution Method, by G. S. Katrukha, A. B. Silayev, 5 pp.

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The Molecular Weight of ~~XXXXXXXXXX~~ by V. M.  
Stenakov, A. B. Silayev, G. S. ~~XXXXXXXXXX~~ Matrukha,  
6 pp.

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NCH-202 328

Field 13H

Katrus, O. A.; Vinogradov, G. A.  
CALCULATION OF THE MINIMUM POWDER ROLLING  
VELOCITY. Aug 68, 8p (foreign text included) Srefa.  
INC-Trans-68/238; NLL-M.8747.  
Order from NLL as M.8747

Trans. of Poroshkovaya Metallurgiya (USSR) V6 no  
10-11 1968,  
See also 'Translated or Abstracted Publications,'  
in TT Vol. 14, No. 8.

A30506C

I. International Nickel Co. (Mond)  
Ltd., London (England)

Three-Layer Copper-Iron-Copper Strip  
Rolled of Powders, by O. A. Katrus,  
G. A. Vinogradov, 6 pp.

RUSSIAN, per, Poroshkovaya Metallurgiya,  
Vol II, No 5, 1962, pp 60-67.

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Calculation of the Layer Thickness Ratio  
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From Metallic Powders, by O. A. Katus  
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RUSSIAN, per, English Met., 1964, Vol 4,

No 1, pp 34-41.

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CFSI TT-65-61319

Aug 65

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O. A. Katus

ABOUT THE RELATIONSHIPS OF COERCIVE FORCES OF  
MAGNETICALLY-SOFT MATERIALS TO THE THICKNESS OF  
SHEET MADE FROM ROLLED POWDERS, BY O. A. KATRUS,  
5 PP.

RUSSIAN, PER, FIZIKA METALLOV I METALLOVEDENIYE,  
VOL XIV, NO 1, JULY 1962, PP 137-139.

JPRS 17613

SCI - PHYS

FEB 63

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INC-Trans-65/228; NLL-M.5747.  
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Trans. of Poroshkovaya Metallurgiya (USSR) v5 n4  
p9-11 1965.  
See also 'Translated or Abstracted Publications,'  
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(NY-1656)

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9 pp.

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US JPRS/NY-L-265

Sci - Medicine  
Immunology

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Hemodynamic Changes in Burn Sickness, by L. M. Klyachkin,  
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Sci  
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Reproduction Systems and the Inter-  
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No. 1, Moscow, Jan 68, pp. 104-116.  
JPRS 44,587

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Economic  
March 68

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*A. Kats*

(NY-5100)

THE PROBLEM OF SHORTAGES OF SIGNAL AND COMMUNICATIONS SUPPLIES, BY A. KATS, 3 PP.

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JPRS 13867

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Economic Theory and the Application of Mathematics  
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JPRS 6715

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Levels With Those of the Principle Capitalist Countries,  
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JPRS 1419-N

USSR - US - Great Britain; West Germany; France  
Econ - relative labor productivity  
Apr 59

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62-11737

~~Kats, A. L.~~  
CHARACTERISTICS OF THE EMPIRICAL INFLUENCE  
FUNCTIONS IN THE NORTHERN HEMISPHERE FOR  
A FORECAST OF THE PRESSURE FIELD FOR 3-5  
DAYS. BY SINGLE-TYPE INITIAL MACROPROCESSES  
(Osobennosti Empiricheskikh Funktsii Vliyaniya na  
Svernom Polusharii dlya Prognoza Baricheskogo Polya  
na 3-5 Dnei po Odnotipnym Iskhodnym Makroprotses-  
sam) tr. by Irene A. Donehoo. June 62, 11 refs.  
Order from OTS \$0.50 62-11737

Trans. of Met(eorologiya) i Gidr(ologiya) (USSR) 1961,  
no. 12, p. 15-22.

DESCRIPTORS: Northern hemisphere, \*Weather fore-  
casting, Statistical analysis, Meteorological data,  
\*Barometric pressure

A two-level model was used for finding the empirical  
influence functions for the purpose of forecasting pres-  
(Earth Sciences--Meteorology, TT, v. 8, no. 7) (over)

I. Kats, A. L.  
II. Weather Bureau,  
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Office of Technical Services

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Prognozy, Leningrad, 1960, pp 1-270. 9680004-V

FTD-TT-62-498

Sci-Geophys  
Mar 63

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S-5759

(NY-2723).

Weather Forecasting 3 to 7 Days in Advance, by  
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JPRS-1911-N

Sci - Geophysics  
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General Circulation Index as an Indicator for Zonal  
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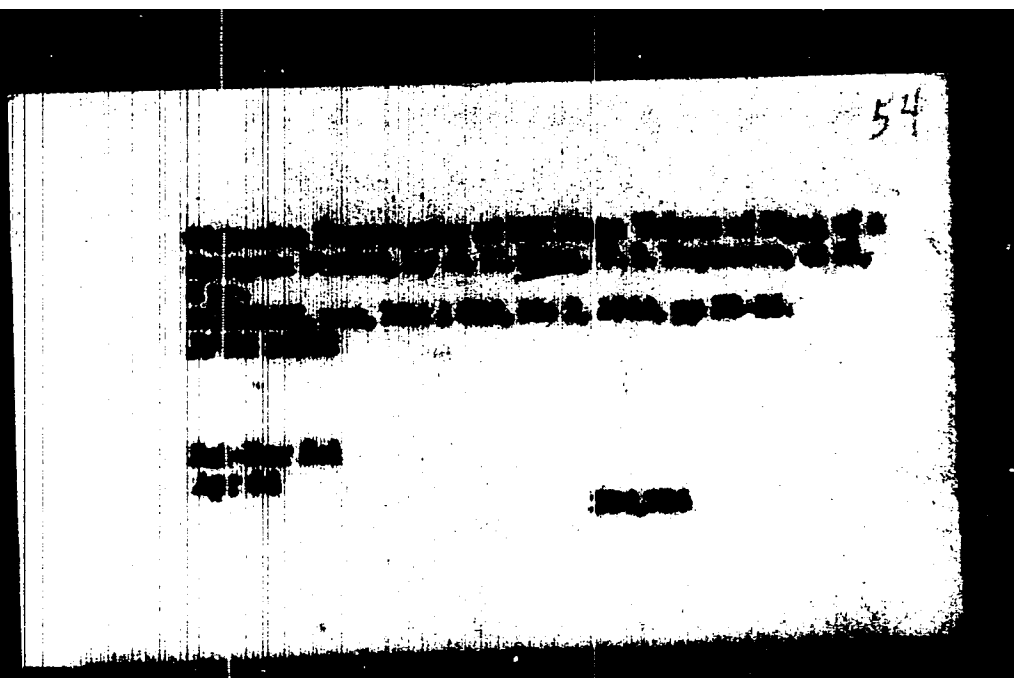
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JPRS-L-1075-E

Sci - Geophys  
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NCH-200 170

Field 4B

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SPHERIC CIRCULATION AND CERTAIN ASPECTS OF  
LONG RANGE WEATHER FORECASTING. 1965, 11p.  
Trans-32(W); NLL-M.5306.  
Order from NLL as M.5306

Trans. of transactions of the Scientific Conference on the  
General Circulations of the Atmosphere  
(14th-18th March, 1960) (no. 1), Moscow, 1962 p78-84.

I. Title: Scientific ...  
II. National Lending  
Library for Science  
and Technology,  
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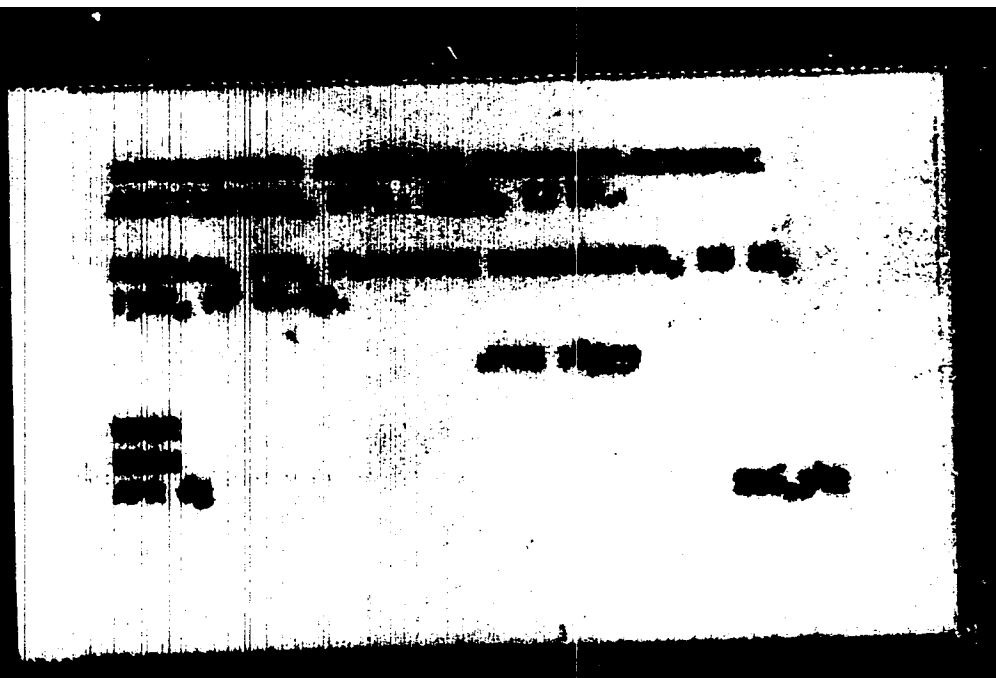
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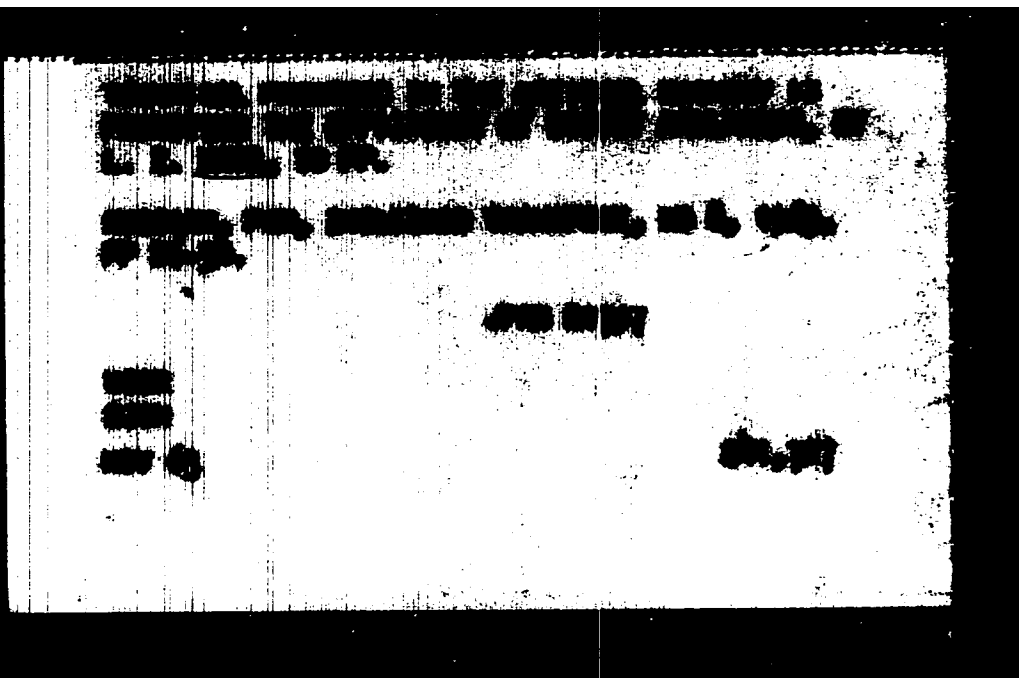


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